

Service Manual

Stereo Radio Cassette Player

Radio Cassette
RQ-SW33V

Colour

(Y).....Yellow Type
(A).....Blue Type
(K).....Black Type
(S).....Silver Type



Area

Suffix for Model No.	Areas	Colour
[P]	U.S.A.	(Y) (A) (K) (S)
[PC]	Canada.	(A) (K)

MECHANISM SERIES: AR66

SPECIFICATIONS

General:

Power Requirements: Battery; DC 1.5V
(One "AA" size, R6/LR6 battery)
Power Output: 16mW (8mW x2)...RMS(max.)
Output: Headphone; 32Ω, φ 3.5
Dimensions: 90.9(W)x117.7(H)x37.4mm
(3 9/16"x4 5/8"x1 1/2")
Weight: 253g (8.9 oz) Without battery

Tape Deck Section:

Frequency Response: 40~16,000Hz (Normal)
(-6dB)
Tape Speed: 4.8cm/s (1 7/8 ips)
Program Time: 1 hour with C-60 cassette tape
Track System: 4-track, 2-channel stereo playback

Radio Section:

Radio Frequency Range: FM; 87.9~107.9MHz
(0.2MHz steps)
87.5~108.0MHz
(0.1MHz/0.05MHz steps)
AM; 520~1710kHz
(10kHz steps)
522~1629kHz
(9kHz steps)
Intermediate Frequency: FM; 10.7MHz
AM; 450kHz
FM; 5.01 μV/0.1 mW output
(-3dB Limit, Sens)
AM; 1000 μV/mV/0.1 mW output

Notes:

- 1.Weights and dimensions shown are approximate.
- 2.Design and specifications are subject to change without notice.

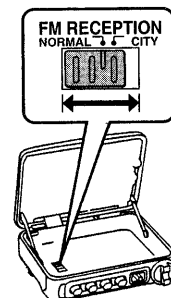
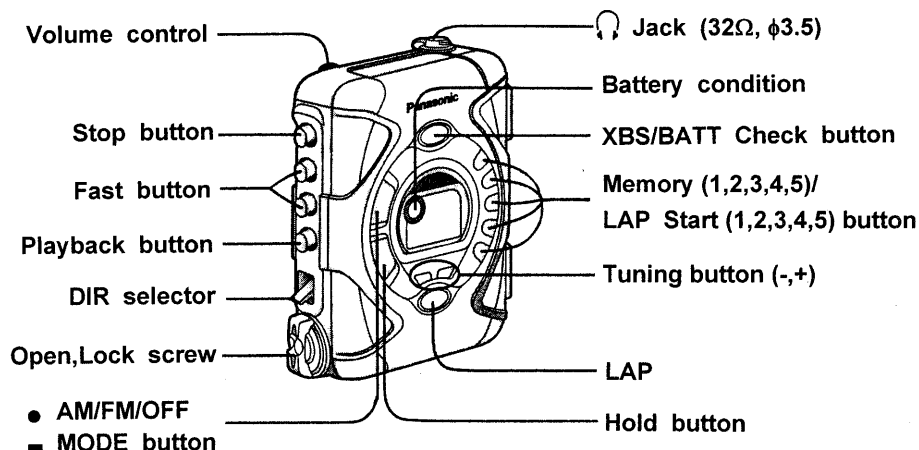
WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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LOCATION OF CONTROLS



BATTERY SERVICE LIFE

UM-3(AA-size) Batteries

Approx. 24 hours of playback (EIAJ) with volume set at 3/4 position

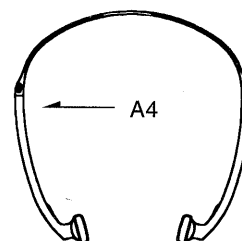
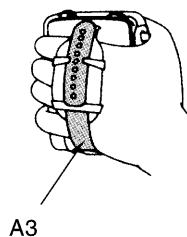
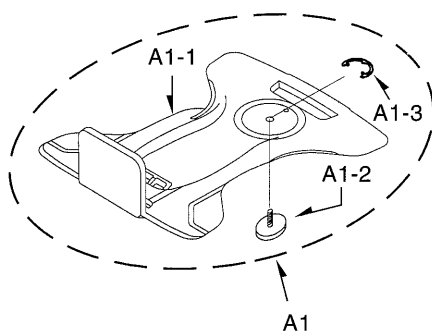
Approx. 28 hours of Radio (EIAJ) with volume set at 3/4 position

The above battery service life is measured according to the conditions set forth by EIAJ (Electronic industries Association of Japan). As the battery service life varies with the method of operation and environmental conditions, use these values as reference.

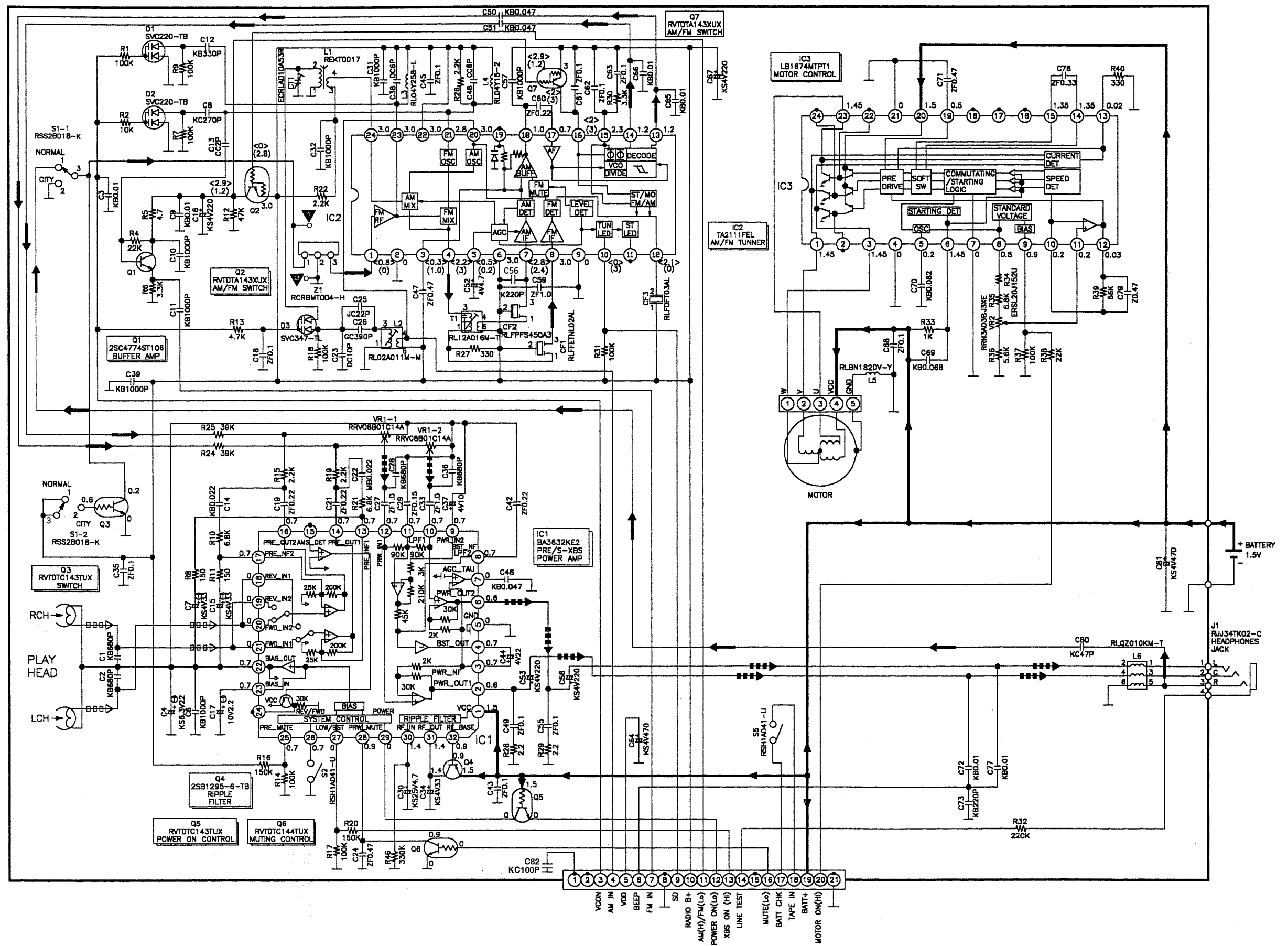
REPLACEMENT PARTS LIST

(T)Indicates parts that are supplied TAMACO

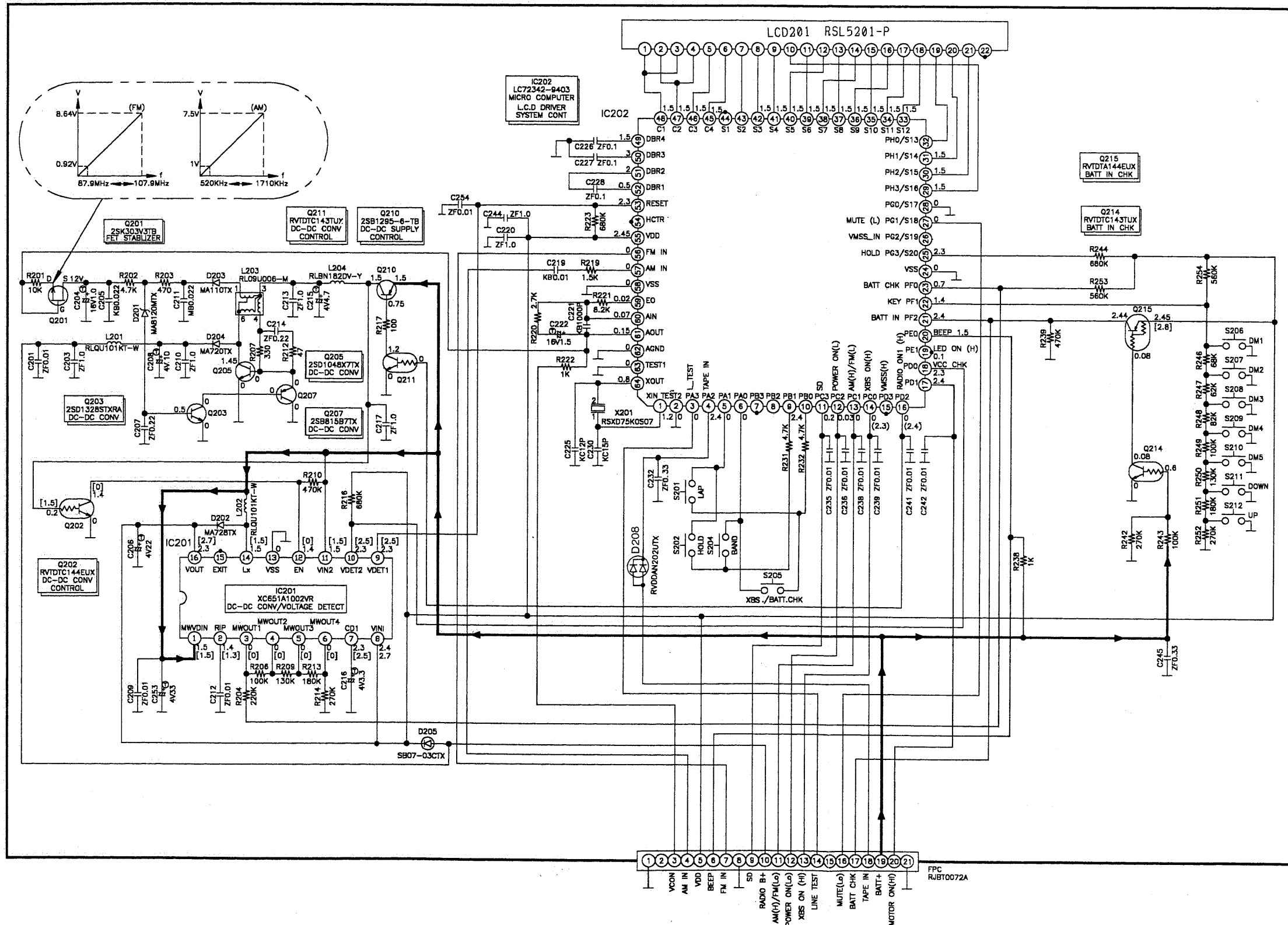
Ref. No.	Parts No.	Parts Name & Description	Remarks
A1	ZA05SW45VP	Belt Clip Ass'y	(T)
A1-1	RGQT0023-K	Belt Clip	(T)
A1-2	RHDT0006-K	Belt Clip Lock Screw	(T)
A1-3	XUC25FY	"E" Link	(T)
A2 [P]	RQTT0303-P	Instruction Book	(T)
A2 [PC]	RQTT0304-C	Instruction Book	(T)
A3 [P]	RGQT0018-K	Head Strap	(T)
A4 [P]	RFEV708P-YY	Headphones (Yellow)	(T)
A4 [P]	RFEV708P-HY	Headphones (Silver)	(T)
A4	RFEV708P-HY	Headphones (Black)	(T)
A4	RFEV708P-A1Y	Headphones (Blue)	(T)



SCHEMATIC DIAGRAM (MAIN CIRCUIT)



■ SCHEMATIC DIAGRAM (LCD CIRCUIT)



Notes:

- S1-1,1-2: FM reception switch in "NOR" position. (1...NOR, 2...CITY).
- S2: Open/REV,Close/FWD switch in "Open/REV" position.
- S5: Motor switch in "OFF" position.
- S201: LAP switch in "OFF" position
- S202: Hold switch in "OFF" position
- S204: Radio/Band/Mode select (●AM/FM/OFF -MODE) switch in "OFF" position.
- S205: XBS/BATT CHK switch in "OFF" position.
- S206~S210: Direct tuning switches. [S206:DM1, S207:DM2, S208:DM3, S209:DM4, S210:DM5]
- S211: Tuning down switch in "OFF" position.
- S212: Tuning up switch in "OFF" position.
- VR1-1: Volume control VR (Lch).
- VR1-2: Volume control VR (Rch).
- VR2: Tape speed adjustment VR.
- The mark (▼) shows test point e.g. ▼ =test point 1.
- DC voltage measurement are taken with electronics.
- Voltmeter from negative terminal of battery.
- < > ...FM position, () ...AM position.
- [] ...FM & AM position, No mark....Playback position.
- Battery current: Volume minimum output (Radio).....70mA
Volume minimum output (Tape).....80mA
Volume Maximum output (Radio).....85mA
Volume Maximum output (Tape).....110mA
Radio, 74dB 30% Modulation.
(Tape, 315Hz 0dB tape playback.)
- ——— + B Voltage Line.
- ——— Playback Signal.
- ——— FM Signal.
- ——— Playback and Radio Signal.
- This schematic diagram may be modified at any time with the development of new technology.